SWISS CNC

Precision / Performance / Partnerships

2021

UK STOCK



CNC SLIDING HEAD LATHE

STAR / TYPE G / MACHINE 1

SB-20R G

20 MM

FMB BAR FEED

FIRETRACE

Price on application + VAT

Finance options available, subject to status and approval.

01952 482 452

www.swisscnc.co.uk

Machine overview

20 mm twin-spindle sliding-head lathe with FMB Turbo 2-20 3.2 m bar feeder, Filtermist FX extraction, LNS MH500 Turbo conveyor, FireTrace suppression and a tooling package.

Year of manufacture	2021
Manufacturer	Star
Machine type	Sliding-Head Lathes
Listing status	Available
Location	United Kingdom
Photograph gallery	10 website photographs

Machine highlights

- 20 mm bar capacity
- FMB Turbo 2-20 bar feeder
- Filtermist FX extraction
- LNS MH500 Turbo swarf conveyor
- FireTrace suppression

Full machine details

Machine Overview

Star SB-20R Type G 20mm CNC Sliding Heads lathe, FMB Turbo 2-20 (2-20mm) 3.2m Magazine Bar Feeders, Filter Mist FX Extractors, LNS MH500 Turbo Swarf Conveyors, FireTrace Suppression, Selection of tooling & work holding. 2 machines available - both 2021

Technical Specification & Machine Details

Now available - 2 x 2021 Star SB-20R Type G 20mm CNC Sliding Head Lathes.

Each machine offers a high-quality production package including:

- FMB Turbo 2-20, 3.2m Magazine Bar Feeder
- Filtermist FX Extraction
- LNS MH500 Turbo Swarf Conveyor

Details and availability as listed 24 November 2026. Confirm specification and supply scope before purchase.

| Selection of tooling & workholding

| 20mm bar capacity

A great opportunity for manufacturers looking to add proven Star sliding-head capacity without the cost or lead time of buying new.

2 machines available - both 2021.

Delivery, Installation & Training available.

Contact Swiss CNC Ltd for full specifications, pricing and availability.

Star SB-20R Type G CNC Sliding Head Lathe

The Star SB-20R Type G is a high-performance 20 mm CNC Swiss-type automatic lathe, designed for accurate, productive manufacture of complex turned components. Offering twin-spindle machining, driven tooling, C-axis control and flexible guide-bush configuration, the SB-20R is particularly well suited to subcontract machining and high-volume precision component production.

Details and availability as listed 24 November 2026. Confirm specification and supply scope before purchase.

Machine Specification

Maximum machining diameter	Ø20 mm
Maximum headstock stroke	205 mm
Non-guide-bush headstock stroke	Bar diameter × 2.5, maximum 50 mm
Main spindle speed	Maximum 10,000 rpm
Main spindle motor	2.2 kW continuous / 3.7 kW 10-minute rating
Main spindle indexing	C-axis control
Sub spindle maximum chucking diameter	Ø20 mm
Sub spindle speed	Maximum 9,000 rpm
Sub spindle indexing	C-axis control
Sub spindle motor	0.55 kW continuous / 1.5 kW 15-minute rating
Rapid traverse	35 m/min on X1, Y1, X2 and Z2
Coolant tank capacity	180 litres
Machine dimensions	2,070 × 1,177 × 1,760 mm
Machine weight	Approx. 1,750 kg
Power consumption	3.7 kVA
Control	FANUC 0i-TD
Operator interface	8.4" colour LCD

Tooling Capability

The SB-20R Type G provides a highly flexible tooling platform capable of combining turning, drilling, milling and rear-working operations within a single machining cycle.

Depending on the selected tooling configuration, the machine can accommodate:

- Up to 7 turning tools
- Front and rear sleeve-holder tooling
- Cross drilling and milling

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- Driven-tool stations
- Cartridge-type powered tooling
- Backworking tooling
- Driven rear-working capability
- Main and sub-spindle C-axis machining

Star offered several cross-drilling/tool-post configurations, allowing the machine layout to be tailored around the component and machining requirements.

Guide Bush / Non-Guide Bush Capability

An important feature of the SB series is the ability to operate in either guide-bush or non-guide-bush configuration.

This provides additional flexibility when machining different component geometries and allows the machine configuration to be selected according to the overall component length.

For shorter components, non-guide-bush operation can also offer advantages in material utilisation by reducing the remnant length normally associated with conventional sliding-head production.

Twin-Spindle Production

The machine incorporates a dedicated sub spindle and rear-working station, allowing components to be transferred from the main spindle for secondary operations.

The backworking unit provides:

- Maximum Ø20 mm chucking capacity
- Maximum 9,000 rpm sub spindle
- Four rear-working tool positions
- Stationary drilling and tapping capability
- Optional driven rear-working tooling

This enables front and rear machining to be combined within one automatic production cycle, helping minimise secondary operations and component handling.

Driven Tooling

The SB-20R can be equipped with several powered-tool configurations including cross-drilling units and cartridge-style tooling.

Star specifically designed the tooling arrangement to provide significant flexibility for more complex machining applications, while the four-spindle backworking unit can also accommodate a powered drive unit for additional rear machining capability.

Standard Machine Features

Factory specification includes features such as:

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| FANUC CNC control
| Main and sub-spindle C-axis control
| Automatic centralised lubrication
| Coolant level detection
| Door interlock system
| Broken cut-off tool detection
| Parts ejection detection
| Revolving guide-bush system
| Main and sub-spindle collets
| Cross-drilling unit
| Sleeve-holder tooling
| Backworking unit
| Work light
| Leakage breaker

The brochure confirms that main and sub-spindle C-axis control are supplied as standard, providing increased capability for milling, drilling and positioning operations.

Machines Available

2 × 2021 Star SB-20R Type G machines available, supplied with ancillary equipment including:

| FMB Turbo 2-20, 3.2 metre magazine bar feeders
| Filtermist FX extraction systems
| LNS MH500 Turbo swarf conveyors
| Selection of tooling and workholding

A strong opportunity for manufacturers looking to add proven 20 mm sliding-head capacity without the capital cost and lead time associated with purchasing new equipment.

Ideal applications	precision turned components, automotive, aerospace, medical, electronics, hydraulics, general subcontract machining and high-volume bar work.

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MACHINE SALES BROCHURE
24 November 2026

ACTUAL LISTING PHOTOGRAPHS

Machine gallery



Website photograph 01



Website photograph 02



Website photograph 03



Website photograph 04

ORIGINAL MACHINE APPEARANCE / WEBSITE IMAGERY

Details and availability as listed 24 November 2026. Confirm specification and supply scope before purchase.

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MACHINE SALES BROCHURE

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ACTUAL LISTING PHOTOGRAPHS

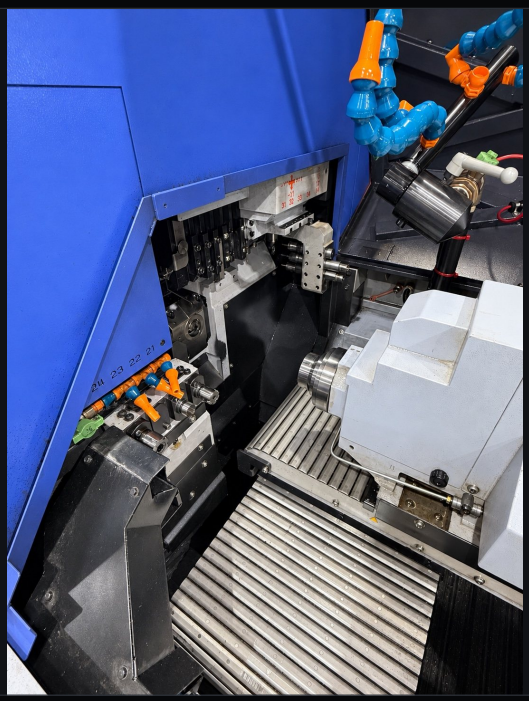
Machine gallery



Website photograph 05



Website photograph 06



Website photograph 07



Website photograph 08

ORIGINAL MACHINE APPEARANCE / WEBSITE IMAGERY

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ACTUAL LISTING PHOTOGRAPHS

Machine gallery



Website photograph 09



Website photograph 10

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MACHINE SALES BROCHURE
24 November 2026

ENQUIRE / INSPECT / PLAN YOUR NEXT STEP

LET'S DISCUSS THIS MACHINE.

2021 Star SB-20R Type G Machine 1

USED MACHINES. EXPERT ADVICE. COMPLETE SUPPORT.

Machine inspection, application discussions, delivery, installation, training and ongoing technical support can be discussed to suit your production requirements.

SPEAK TO SWISS CNC

01952 482 452

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Scan for the live listing

Price on application + VAT

Finance options available, subject to status and approval.

WhatsApp this machine

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Specifications, factory ratings, options and included equipment reflect the website listing. Verify installed configuration, condition, hours, availability and final supply scope with Swiss CNC before purchase.